

**Amendments to the Specification:**

Please amend ¶ [01] as follows:

[01] This application is related to commonly assigned and concurrently filed U.S. Pat. Appl. No. 10/017,033 —/—, — (~~Unassigned~~), entitled “HDP-CVD FILM FOR UPPERCLADDING APPLICATION IN OPTICAL WAVEGUIDES,” by Hichem M’Saad (~~Attorney Docket Number A6139/T43800~~), the entire disclosure of which is hereby incorporated by reference for all purposes.

Please amend ¶ [37] as follows:

[37] Fig. 3 is a cross-sectional view of an optical waveguide 300 having a core 330, an undercladding layer 320, and an uppercladding layer 325 according to one embodiment of the present invention. The optical waveguide 300 may be manufactured on a substrate 310, which may be a silicon substrate for example. The undercladding layer 320 is deposited over the substrate 310, and the optical core material 330 is deposited over undercladding layer 320. The optical core material 330 may then be patterned and etched. Uppercladding layer 325 may then be deposited over the optical core and undercladding layer. An exemplary technique for forming the undercladding layer 320 and uppercladding layer 325 employed by embodiments of the present invention are described in more detail in commonly owned, concurrently filed U.S. Pat. Appl. No. 10/017,033 —/—, — (~~Unassigned~~), entitled “HDP-CVD FILM FOR UPPERCLADDING APPLICATION IN OPTICAL WAVEGUIDES,” by Hichem M’Saad (~~Attorney Docket Number A6139/T43800~~), the entire disclosure of which has been incorporated herein by reference in its entirety above.